

FIG. 1

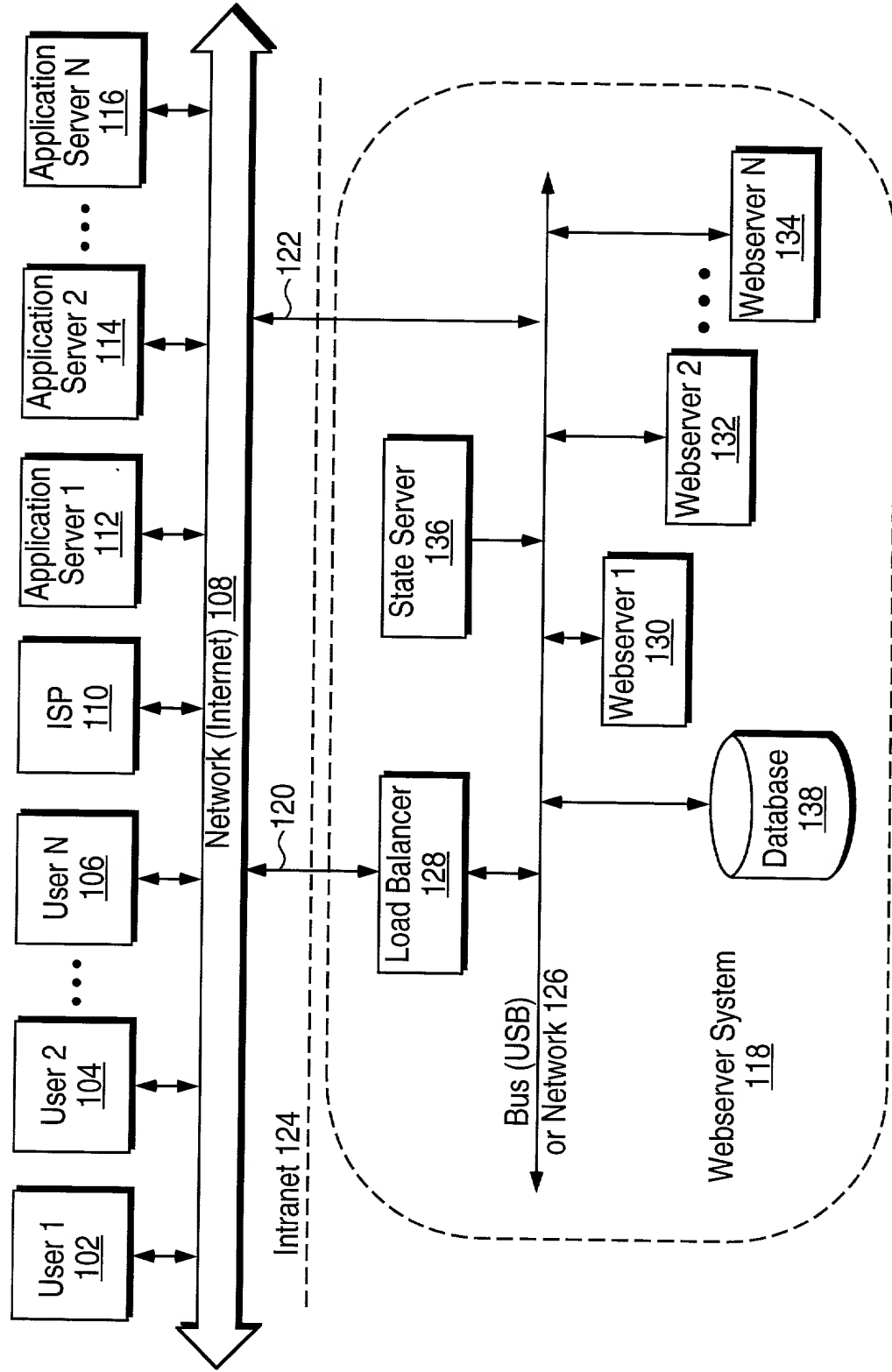




FIG. 3

FIG. 3

FIG. 4

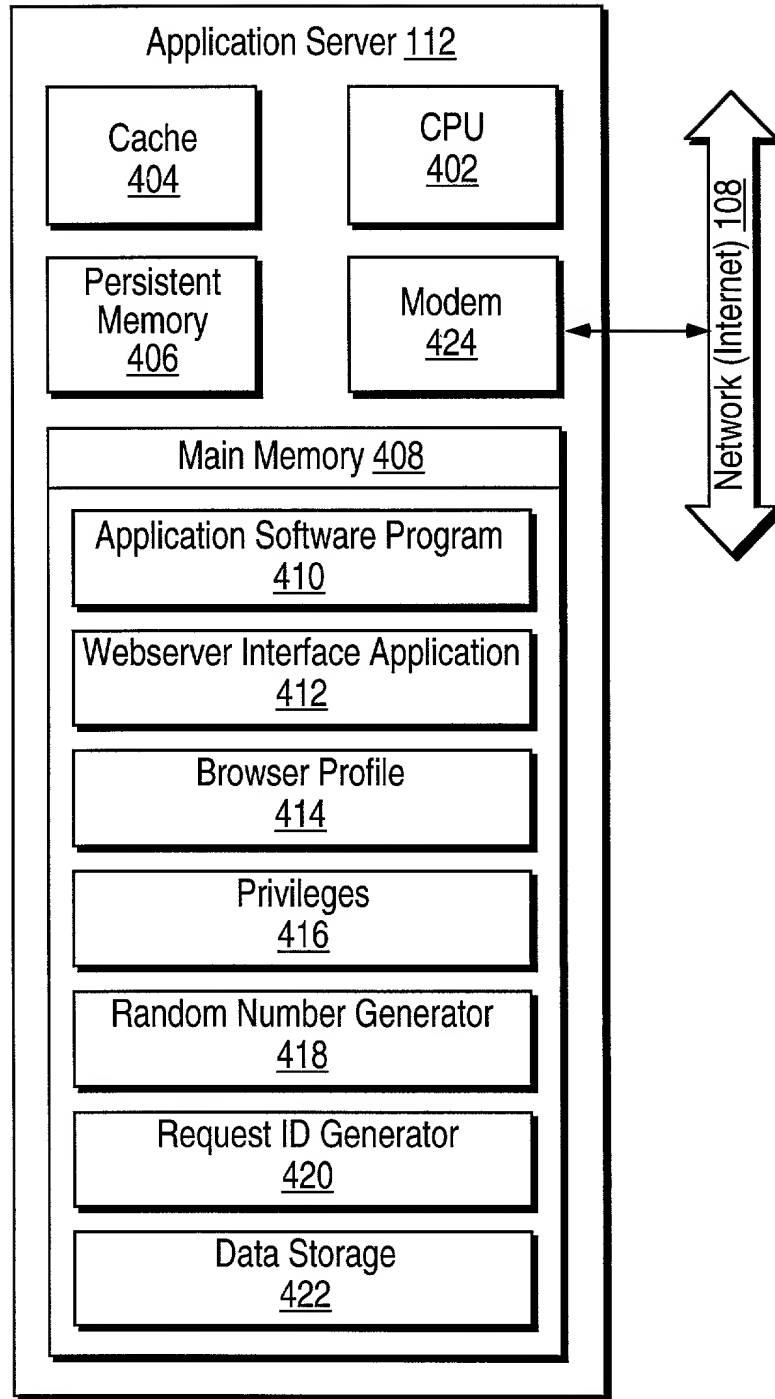
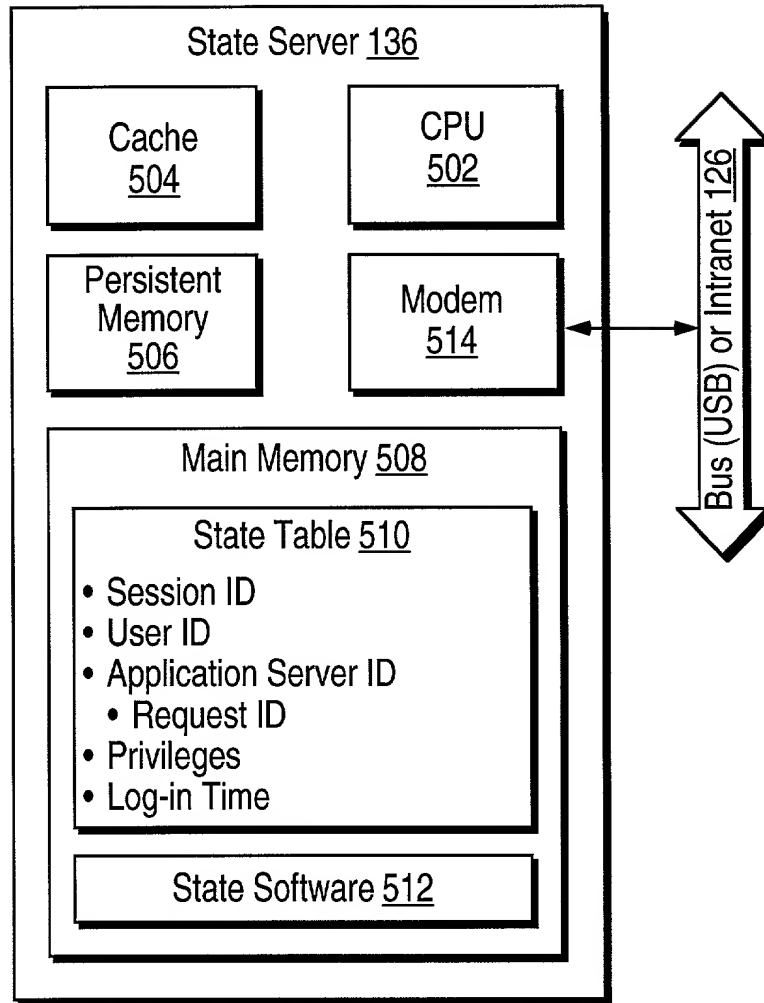


FIG. 5





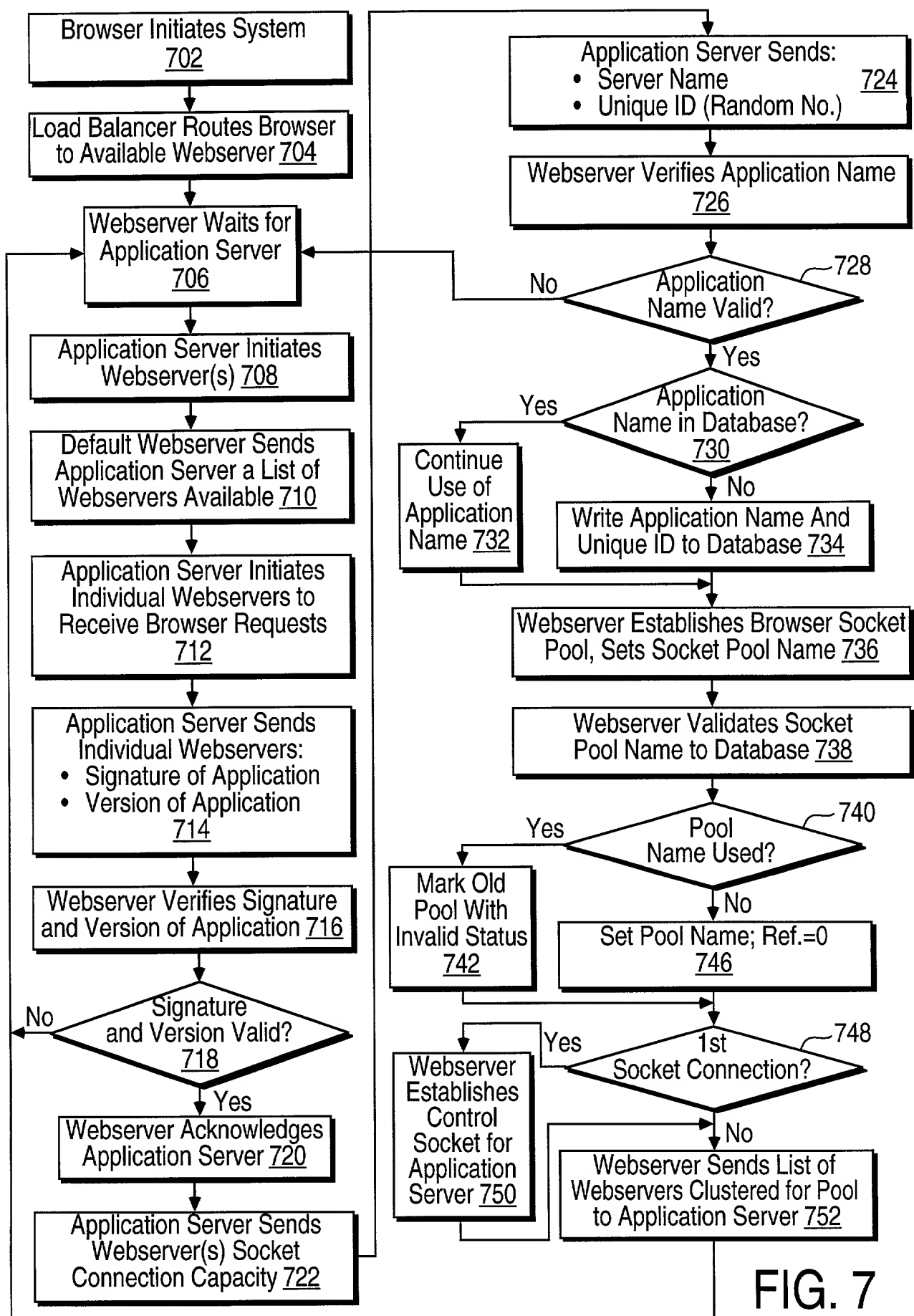
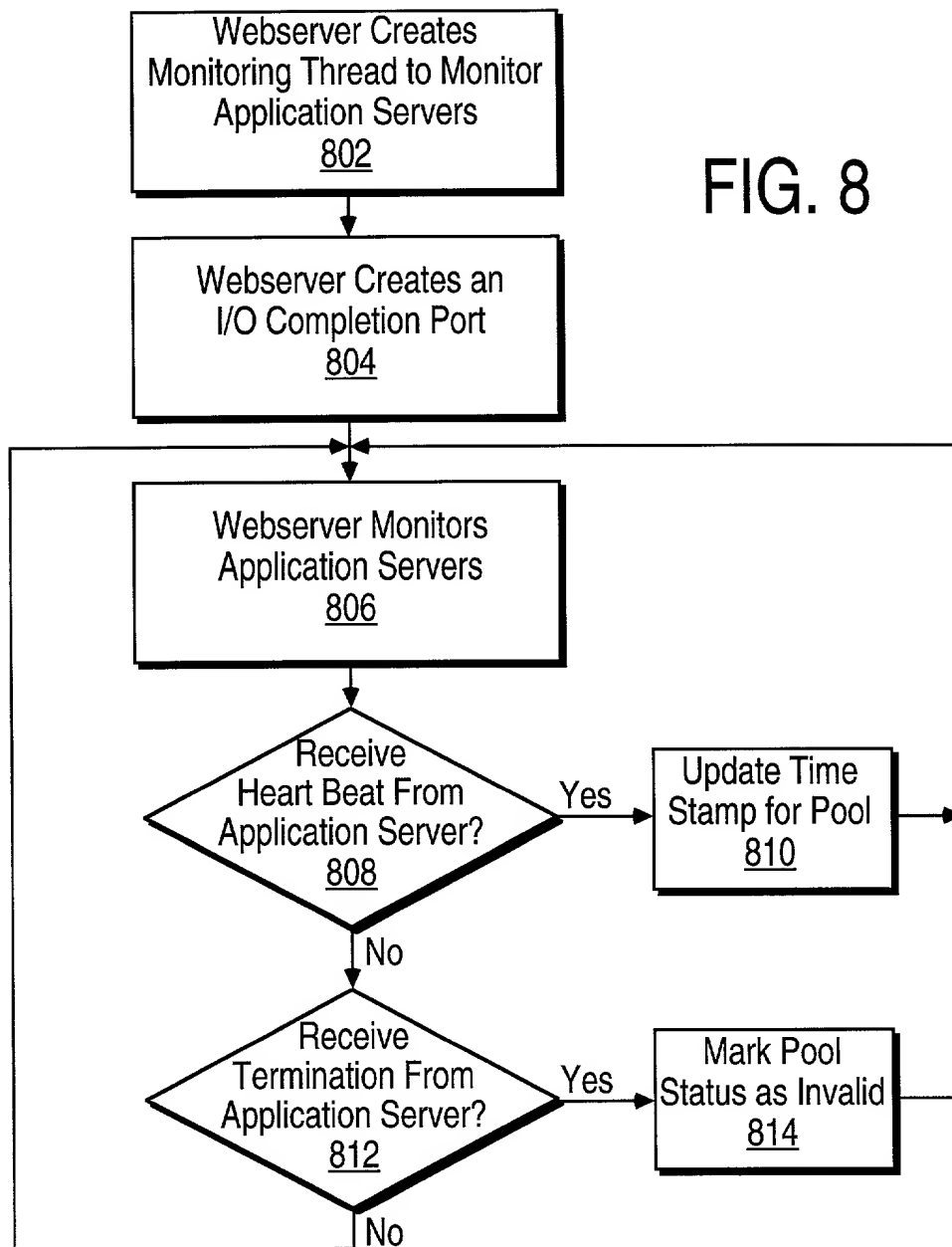


FIG. 7





| Physical Characteristics   |   |
|----------------------------|---|
| Height (cm)                | 170.0   |
| Weight (kg)                | 75.0  |
| Age (years)                | 25.0  |
| Sex                        | Male  |
| Marital Status             | Single  |
| Education                  | High School   |
| Occupation                 | Student   |
| Religion                   | Islam   |
| Smoking Status             | Non-smoker  |
| Alcohol Consumption        | None  |
| Family History             | No known family history of disease                      |
| Current Medications        | None  |
| Previous Medical History   | No previous medical history                             |
| Current Symptoms           | Intermittent abdominal pain, bloating, and constipation |
| Duration of Symptoms       | Approximately 6 months                                  |
| Associated Symptoms        | Weight loss, fatigue, and decreased appetite            |
| Physical Examination       | Normal  |
| Abdominal Examination      | Soft, non-tender, no masses or organomegaly             |
| Rectal Examination         | Normal  |
| Stool Examination          | Normal  |
| Imaging Studies            | Normal  |
| Colonoscopy                | Normal  |
| Small Bowel Follow-through | Normal  |
| Barium Enema               | Normal  |
| CT Scan                    | Normal  |
| MRI                        | Normal  |
| Biopsy                     | Normal  |
| Pathology                  | Normal  |
| Diagnosis                  | Irritable Bowel Syndrome (IBS)                          |
| Treatment                  | Dietary modification, stress management, and laxatives  |
| Follow-up                  | Regular follow-up with gastroenterologist               |

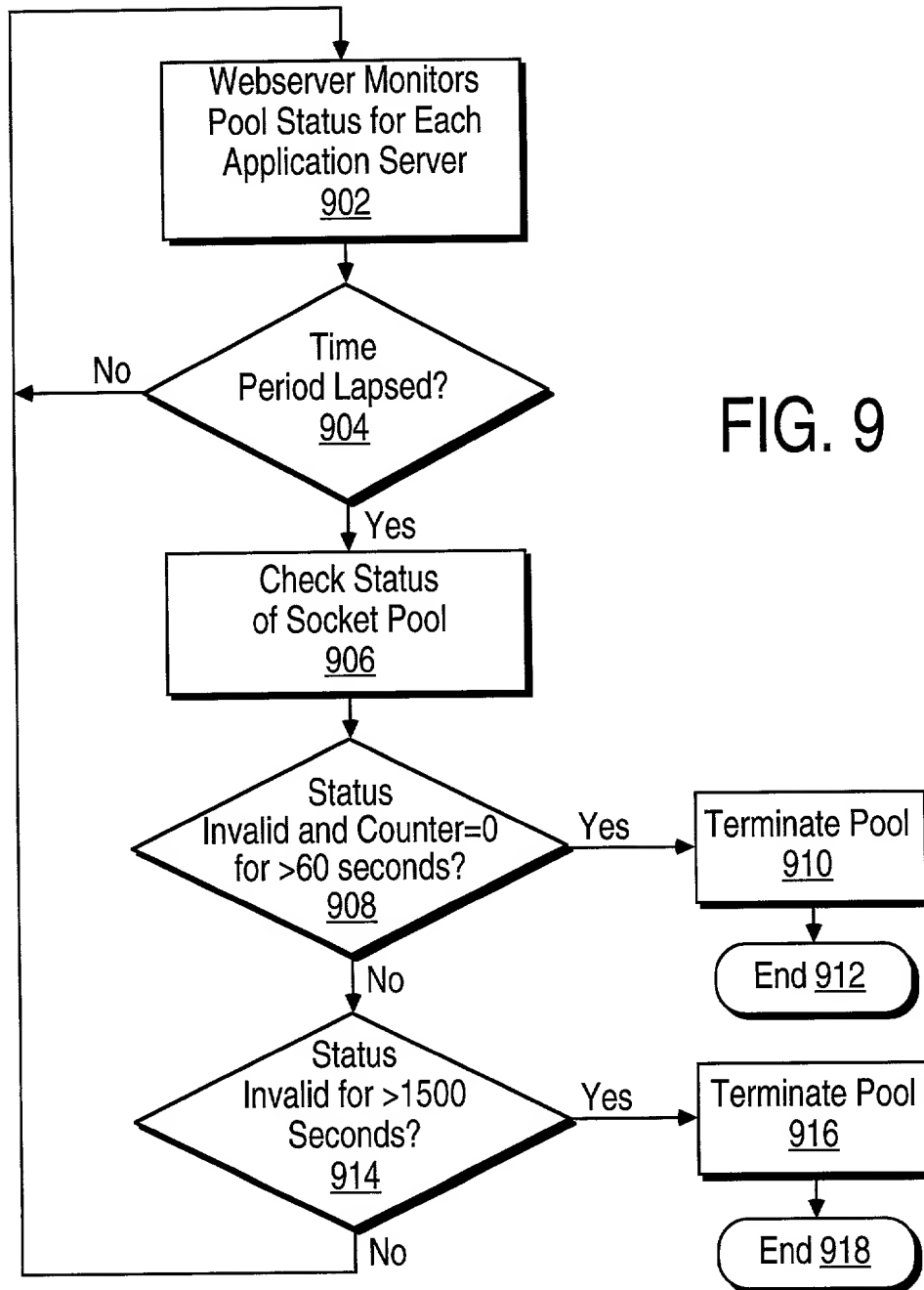


FIG. 9





0973550 1200

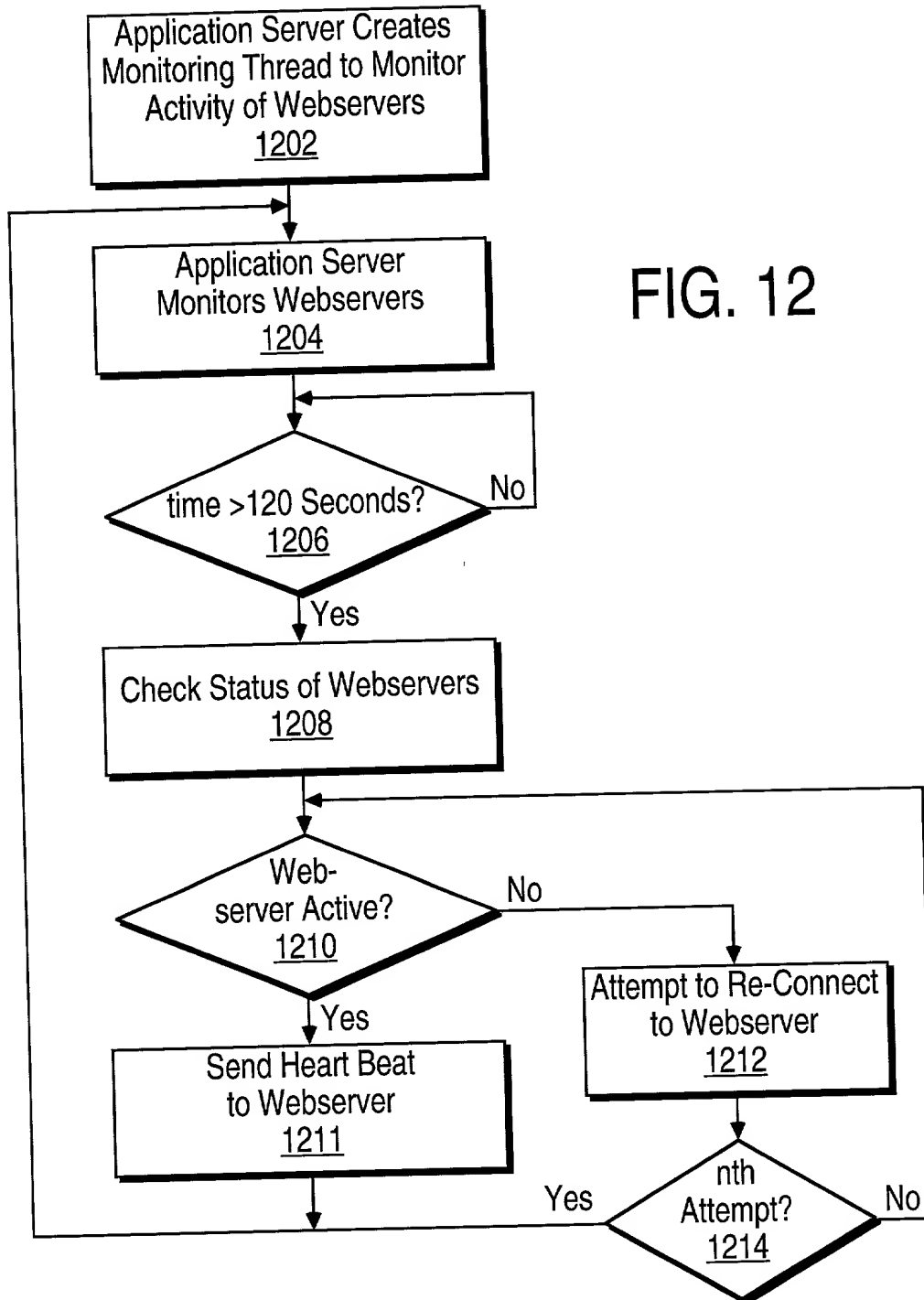


FIG. 12

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graph TD
    1302[Webserver Receives Browser Request For Application Server 1302] --> 1304[Webserver Creates Thread to State Server 1304]
    1304 --> 1306[State Server Monitors Webserver Dedicated to Browser For Application Server 1306]
    1306 --> 1308{Time > 120 Seconds? 1308}
    1308 -- No --> 1306
    1308 -- Yes --> 1310[Check Status of Webserver Serving Browser 1310]
    1310 --> 1213{Webserver Active? 1213}
    1213 -- No --> 1316[Attempt to Re-Connect Browser to Webserver 1316]
    1213 -- Yes --> 1314[Update State Server Browser File by Webserver 1314]
    1314 --> 1318{nth Attempt? 1318}
    1318 -- No --> 1316
    1318 -- Yes --> 1320[Application Server Re-Connects to New Webserver 1320]
    1320 --> 1322[New Webserver Downloads Browser Information From State Machine 1322]
    1322 --> 1306

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FIG. 13

FIG. 13